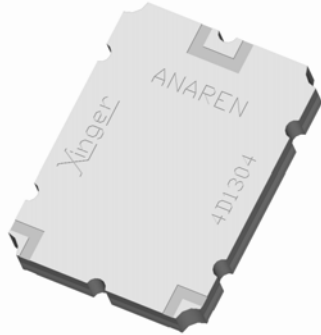




Power Dividers In-Phase, 2-Way



Description

The 4D1304 is a low profile 2 way Wilkinson power divider in an easy to use surface mount package designed for AMPS and GSM band applications. The 4D1304 is ideal for low power, in phase divider/combiner applications. Parts have been subjected to rigorous qualification testing and units are 100% tested. They are manufactured using materials with x and y thermal expansion coefficients compatible with common substrates such as FR4, G-10 and polyamide.

Features:

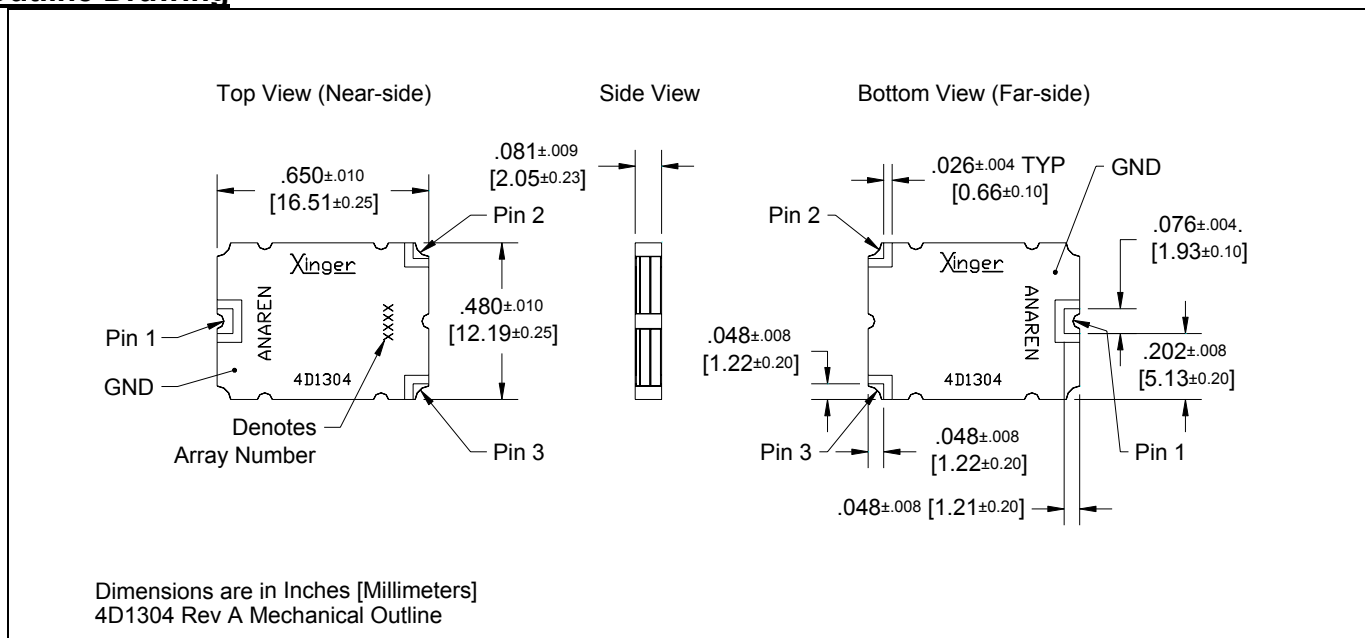
- 650 – 1200 MHz
- Low Loss
- High Isolation
- In-Phase
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

ELECTRICAL SPECIFICATIONS**

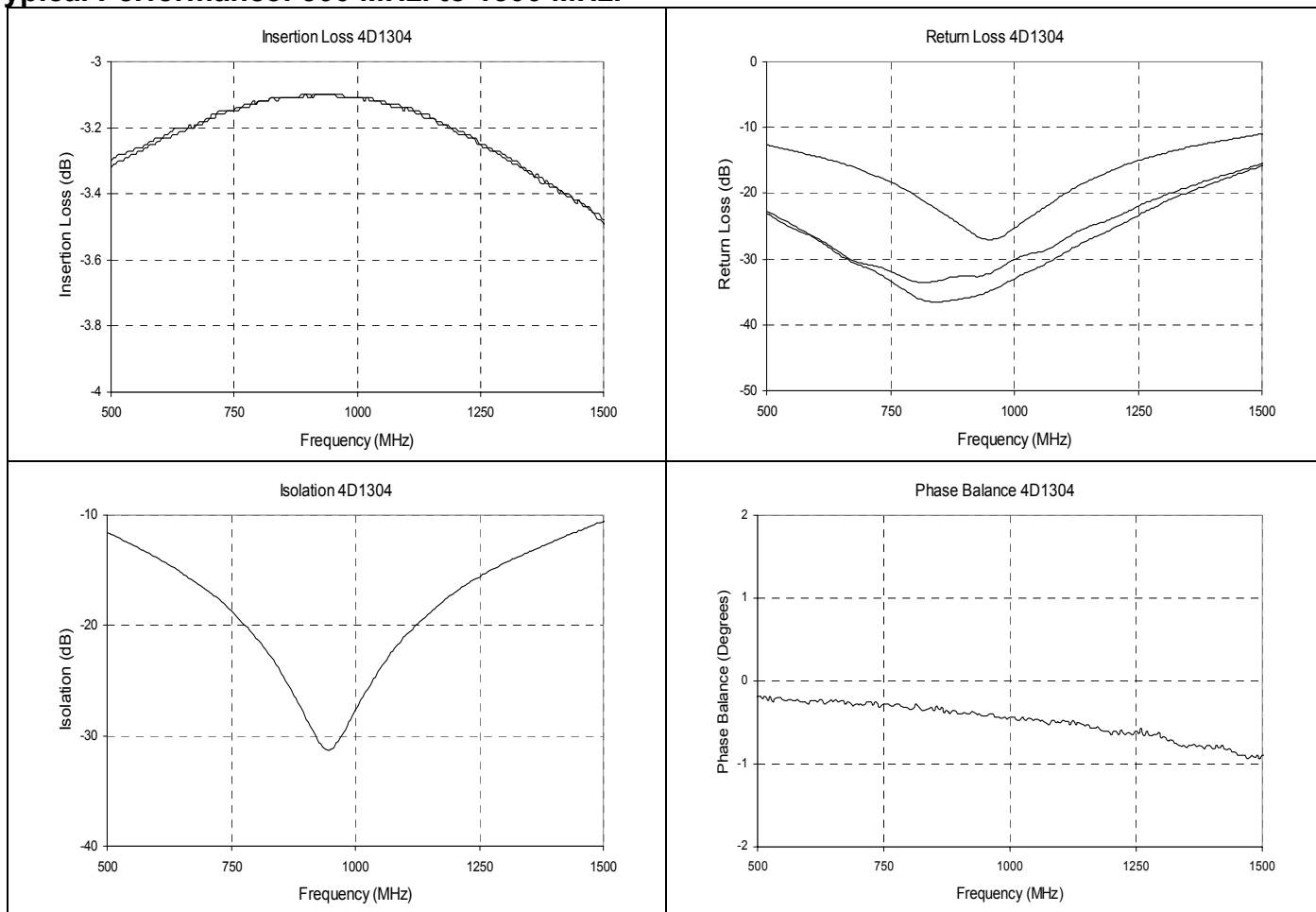
Frequency	Isolation	Insertion Loss	Amplitude Balance
MHz	dB Min	dB Max	dB Max
800 - 1000	16	0.23	±0.10
650 - 1200	12	0.30	±0.20
VSWR Input	VSWR Output	Phase Balance	Operating Temp.
Max:1	Max:1	Degrees	°C
1.30	1.40	± 2	-55 to +85
1.50	1.50	± 2	-55 to +85

**Specification based on performance of unit properly installed on microstrip printed circuit boards with 50 Ω nominal impedance. Maximum input power: 5 Watts average CW when terminated into a 1.2:1 maximum VSWR. Specifications subject to change without notice.

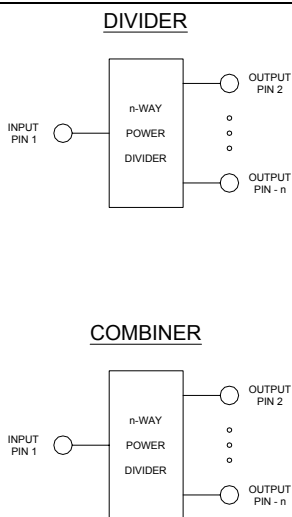
Outline Drawing



Typical Performance: 500 MHz. to 1500 MHz.

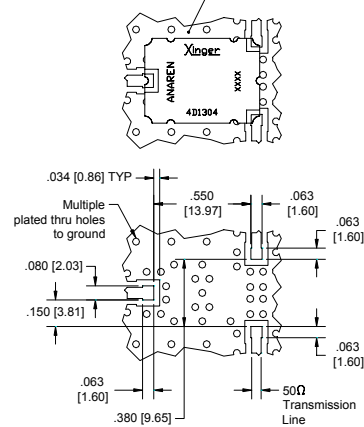


Pin Configuration



Mounting Footprint

To ensure proper electrical and thermal performance there must be a ground plane with 100% solder connection underneath the part



Dimensions are in Inches [Millimeters]
4D1304 Rev A Mounting Footprint

USA/Canada: (315) 432-8909
Toll Free: (800) 544-2414
Europe: +44 2392-232392

Available on Tape and Reel For Pick and Place Manufacturing.

